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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:44 ; Search time 140.11 seconds
 (without alignments)
 5.511 Million cell updates/sec

Title: US-09-331-631A-5,-COPY_33_75
 Perfect score: 248
 Sequence: 1 NOEPQTECQQCQRRCRQE.....RQQQCQRCKEICBEEEEEY 43
 Scoring table: BL0SUM62
 Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
 Listing first 45 summaries

Issued Patents AA:*

1: /cgn2_5/ptodata/2/1aa/5A_COMB.pep:*

2: /cgn2_5/ptodata/2/1aa/5_COMB.pep:*

3: /cgn2_5/ptodata/2/1aa/5C05A_COMB.pep:*

4: /cgn2_5/ptodata/2/1aa/5CTUS_COMB.pep:*

5: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query | Length | DB ID | Description |
|------------|-------|-------|--------|---------------------|--------------------|
| 1 | 110 | 44.4 | 566 | 1 US-07-955-905A-2 | Sequence 2, Appli |
| 2 | 110 | 44.4 | 566 | 1 US-07-955-905A-22 | Sequence 22, Appli |
| 3 | 101 | 40.7 | 587 | 1 US-07-955-905A-23 | Sequence 23, Appli |
| 4 | 65.5 | 26.4 | 34 | 1 US-08-822-561-1 | Sequence 1, Appli |
| 5 | 63.5 | 25.6 | 301 | 2 US-08-656-906-25 | Sequence 25, Appli |
| 6 | 62 | 25.6 | 1162 | 2 US-08-728-323A-2 | Sequence 2, Appli |
| 7 | 61.5 | 24.8 | 215 | 4 PCT-US93-05000-33 | Sequence 33, Appli |
| 8 | 61 | 24.6 | 223 | 3 US-09-066-408-11 | Sequence 11, Appli |
| 9 | 58 | 23.6 | 514 | 2 US-08-960-022-14 | Sequence 14, Appli |
| 10 | 58 | 23.4 | 223 | 3 US-08-066-408-7 | Sequence 7, Appli |
| 11 | 58 | 23.4 | 223 | 3 US-09-066-408-8 | Sequence 8, Appli |
| 12 | 58 | 23.4 | 223 | 3 US-09-066-408-9 | Sequence 9, Appli |
| 13 | 57.5 | 23.2 | 605 | 1 US-07-955-905A-24 | Sequence 24, Appli |
| 14 | 57 | 23.0 | 303 | 1 US-08-109-391A-2 | Sequence 2, Appli |
| 15 | 57 | 23.0 | 303 | 1 US-08-459-019A-2 | Sequence 2, Appli |
| 16 | 57 | 23.0 | 303 | 2 US-08-460-428A-2 | Sequence 2, Appli |
| 17 | 57 | 23.0 | 303 | 3 US-08-458-860A-2 | Sequence 2, Appli |
| 18 | 57 | 23.0 | 303 | 3 US-08-056-200-94 | Sequence 94, Appli |
| 19 | 57 | 23.0 | 1898 | 2 US-08-800-644-94 | Sequence 94, Appli |
| 20 | 55.5 | 22.4 | 161 | 2 US-08-465-380-65 | Sequence 65, Appli |
| 21 | 55.5 | 22.4 | 161 | 2 US-08-486-397-65 | Sequence 65, Appli |
| 22 | 55.5 | 22.4 | 161 | 2 US-08-486-399-65 | Sequence 65, Appli |
| 23 | 55.5 | 22.4 | 161 | 2 US-08-461-965-65 | Sequence 65, Appli |
| 24 | 55.5 | 22.4 | 161 | 2 US-08-634-641-65 | Sequence 65, Appli |
| 25 | 55.5 | 22.4 | 161 | 3 US-02-249-471-65 | Sequence 65, Appli |
| 26 | 55.5 | 22.4 | 161 | 3 US-09-249-472-65 | Sequence 65, Appli |
| 27 | 55.5 | 22.4 | 161 | 3 US-09-249-451-65 | Sequence 65, Appli |
| 28 | 55.5 | 22.4 | 161 | 3 US-08-809-455-65 | Sequence 65, Appli |

ALIGNMENTS

RESULT 1
 US-07-955-905A-2
 ; Sequence 2, Application US/07955905A
 ; Patent No. 5770433

GENERAL INFORMATION:

APPLICANT: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 TITLE OF INVENTION: PRECURSOR
 NUMBER OF SEQUENCES: 28

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-07/955, 905A
 FILING DATE: 21-JAN-1993
 CLASSIFICATION: 435

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 566 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

QUEUE Match Best Local Similarity Score 110; DB 1; Length 566;
 Matches 19; Conservative 47.5%; Pid. No. 0 00018; Mismatches 11; Indels 0; Gaps 0;

QY 2 QEDPQTECQQCQRRCRQEESDPQQQCQRCKEICBEEEEEY 41
 Db 78 EEEELQRQYQQCQGRCEQQQCQRCKEQYKEQEE 117

RESULT 2
 US-07-955-905A-22
 ; Sequence 22, Application US/07955905A
 ; Patent No. 5770433

GENERAL INFORMATION:

APPLICANT: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 TITLE OF INVENTION: RECOMBINANT 47 AND 31 kd COCOA PROTEINS AND
 NUMBER OF INVENTIONS: 28
 NUMBER OF SEQUENCES: 28

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/955,905A
 FILING DATE: 21-JAN-1993
 CLASSIFICATION: 435
 INFORMATION FOR SEQ ID NO: 22:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 566 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: Theobroma cacao
 FEATURE:
 NAME/KEY: Protein
 LOCATION: 1..566
 OTHER INFORMATION: /note= " 67 kd Precursor Protein"
 ; US-07-955-905A-22

RESULT 3
 Query Match Score 110; DB 1; Length 566;
 Best Local Similarity 47.5%; Pred. No. 0.00018; Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

OY 2 QEDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 41
 Db 78 EEEELQRQYQOCQGRQEQQQREQQCORKWQEQYKEE 117

RESULT 3
 Query Match Score 110; DB 1; Length 566;
 Best Local Similarity 47.5%; Pred. No. 0.00018; Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

PATENT NO. 5770433
 GENERAL INFORMATION:
 APPLICANT: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 TITLE OF INVENTION: PRECURSOR
 NUMBER OF SEQUENCES: 28
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/822,561
 FILING DATE: 19-MAR-1997
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/442,910
 FILING DATE: 17-MAY-1995
 APPLICATION NUMBER: US 07/536,127
 FILING DATE: 05-JUN-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Yates, Michael J.
 REGISTRATION NUMBER: 36,063
 REFERENCE/DOCKET NUMBER: 0124C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (515) 248-4800
 TELEFAX: (515) 248-4844
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 34 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPeRology: linear
 MOLECULE TYPE: protein
 OS-08-822-561-1

RESULT 3
 Query Match Score 110; DB 1; Length 566;
 Best Local Similarity 47.5%; Pred. No. 0.00018; Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

OY 2 QEDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 41
 Db 78 EEEELQRQYQOCQGRQEQQQREQQCORKWQEQYKEE 117

RESULT 3
 Query Match Score 110; DB 1; Length 566;
 Best Local Similarity 45.0%; Pred. No. 0.0016; Matches 18; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

OY 3 EDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 42
 Db 80 EDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 117

RESULT 4
 Query Match Score 101; DB 1; Length 587;
 Best Local Similarity 45.0%; Pred. No. 0.0016; Matches 18; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

OY 3 EDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 42
 Db 80 EDPQTECQCOCRRRQEQESDPRQQYCQCRCKCEEEE 117

RESULT 4
 Sequence 1, Application US/08822561
 ; Sequence 1, Application US/08822561
 ; Patent No. 5905167
 ; Computer Readable Form:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/656, 906
 FILING DATE: 03-JUN-1996
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/ 08/
 FILING DATE: 03-JUN-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: WO WO 95/25809
 FILING DATE: 23-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/216, 534
 FILING DATE: 23-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ingolia, Diane E.
 REFERENCE/DOCKET NUMBER: 40, 027
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 705-8410
 TELEFAX: (415) 397-8338
 INFORMATION FOR SEQ ID NO: 25:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 301 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-656-906-25

 Query Match 25.6%; Score 63.5; DB 2; Length 301;
 Best Local Similarity 28.9%; Pred. No. 6.2;
 Matches 11; Conservative 11; Mismatches 11; Indels 5; Gaps 1;
 Qy 6 OTECCQCORRCRQESDPROQQYCQRCKEICEEEEEE 43
 Db 262 RSRCCRRCRRCR----RRRCCRRCRRRCRRRSY 294
 RESULT 6
 US-08-728-323A-2
 Sequence 2, Application US/08/728323A
 Patent No. 5948676
 GENERAL INFORMATION:
 APPLICANT: Chang, Yuan
 APPLICANT: Bohenyk, Roy A.
 APPLICANT: Russo, James J.
 APPLICANT: Edelman, Isidore S.
 APPLICANT: Moore, Patrick S.
 TITLE OF INVENTION: Immediate Early Protein From Kaposi's
 Sarcoma-Associated Herpesvirus, DNA
 TITLE OF INVENTION: Encoding Same And Uses Thereof
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/05000
 FILING DATE: 19930525
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/888, 178
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32, 227
 REFERENCE/DOCKET NUMBER: CSHL91-02A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 631-861-6240
 TELEFAX: 616-861-9540
 INFORMATION FOR SEQ ID NO: 33:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 215 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 ; PCT-US93/05000-33

 Query Match 24.8%; Score 61.5; DB 4; Length 215;
 Best Local Similarity 27.0%; Pred. No. 7.3;
 Matches 17; Conservative 8; Mismatches 15; Indels 23; Gaps 3;
 Qy 4 DPOT-----ECQCQR-RCROESDRQQ-----QYCORCKEICEEE 40
 Db 26 DPOTPGDQRVQLSQLPLERCVHCAVFOCVORESKPHMRKMLVNWMLLEVCECCBECCKE 85
 ATTORNEY/AGENT INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

FAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 223 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE: NAME/KEY: Protein

LOCATION: 1..223

OTHER INFORMATION: /note= "goat alpha-S2 casein precursor allele C"

US-03-066-408-9

Query Match 23.4%; Score 58; DB 3; Length 223;
 Best Local Similarity 26.7%; Pred. No. 17; Mismatches 11; Indels 20; Gaps 1;
 Matches 12; Conservative 11; MisMatches 20; Indels 2; Gaps 1;

Qy 1 NQEDQTCQCQCRRQRQQESDPROQQCRRCKEICE--EEEY 43

Db 24 SSEEPINIFQEIYKQEKENNATHPRKEKLCITSCEEVVRVANEELY 68

RESULT 13

US-07-955-905A-24

; Sequence 24, Application US/07955-905A

; GENERAL INFORMATION:

; APPLICANT:

; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND

; NUMBER OF SEQUENCES: 28

; COMPUTER READABLE FORM:

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/955,905A

; FILING DATE: 21-JAN-1993

; CLASSIFICATION: 435

; INFORMATION FOR SEQ ID NO: 24:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 605 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; ORIGINAL SOURCE:

; ORGANISM: Glycine max

; FEATURE:

; NAME/KEY: Protein

; LOCATION: 1..605

; OTHER INFORMATION: /note= "vicilin from G. max"

; US-07-955-905A-24

Query Match 23.0%; Score 57; DB 1; Length 303;
 Best Local Similarity 32.0%; Pred. No. 29; Mismatches 16; Indels 12; Gaps 8;
 Matches 16; Conservative 12; MisMatches 14; Indels 8; Gaps 2;

Qy 2 QEDPQTEC---QQCQRQRQQESDPROQQCRRCKEICEEE--EEY 43

Db 242 QEEEOERLREYEEQIQEKLRQEERQERKERERMEQERIRQEY 291

RESULT 15

US-08-459-019A-2

; Sequence 2, Application US/08459019A

; GENERAL INFORMATION:

; APPLICANT: TRIPP, Cynthia A.

; APPLICANT: Frank, Glenn R.

; APPLICANT: Grilev, Robert B.

; TITLE OF INVENTION: NOVEL PARASITIC HELMINTH P4 PROTEINS

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sheridan Ross & McIntosh

; STREET: 1700 Lincoln Street, #3500

; CITY: Denver

; STATE: CO

; COUNTRY: U.S.A.

; ZIP: 80203

; COMPUTER READABLE FORM:

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/459,019A

; FILING DATE: 06-JUN-1995

; RESULT 14

US-08-103-391A-2

; Sequence 2, Application US/0810391A

; Patent No. 5639876

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 33-020
REFERENCE/DOCKET NUMBER: 2618-13-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
TELEFAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLGY: linear
MOLECULE TYPE: protein
US-08-459-019A-2

Query Match 23.0%; Score 57; DB 1; Length 303;
Best Local Similarity 32.0%; Pred. No. 29;
Matches 16; Conservative 12; Mismatches 14; Indels 8;
Matches 16; Conservative 12; Mismatches 14; Indels 8;
Gaps 2;
QY 2 QEDPQTEC----QQCQRCRCQESPRQQVCQRKKEICEEE--EY 43
Db 242 QEEEEQEERLREYEQIQERKLEREEERERQEQRRRKERMEQERRQEY 291

Search completed: March 1, 2001, 15:49:45
Job time: 390 sec

